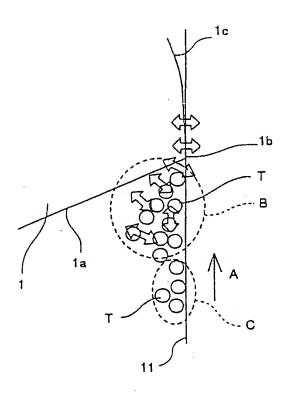
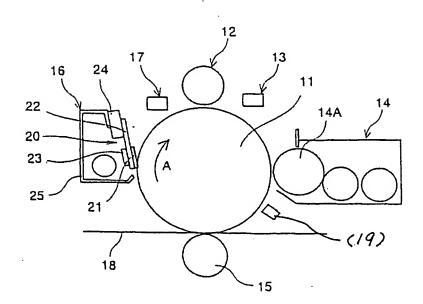
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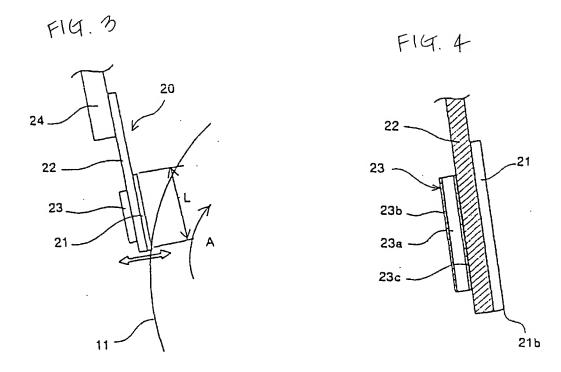
1/25

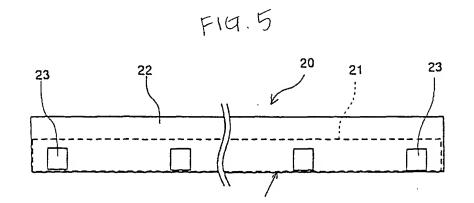
F14.1

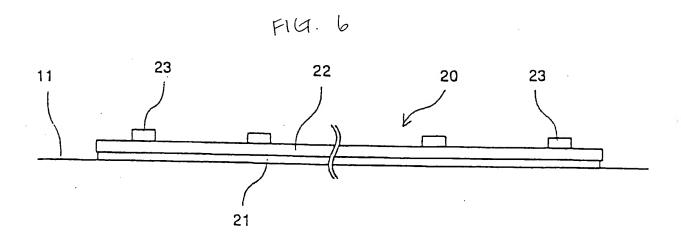


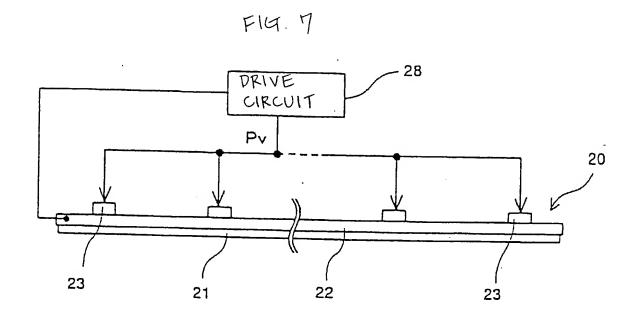
F14.2



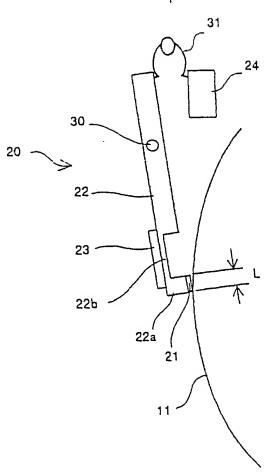




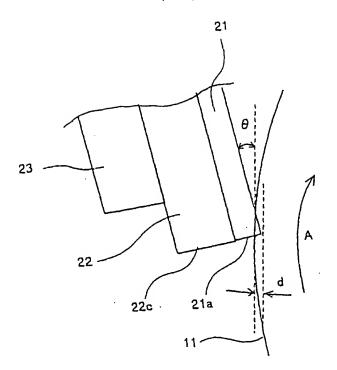






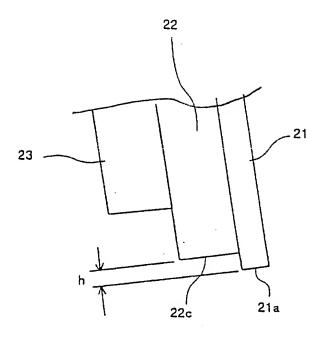


F14.9

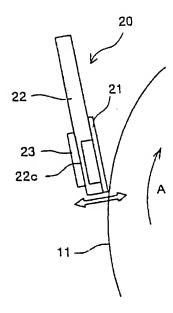


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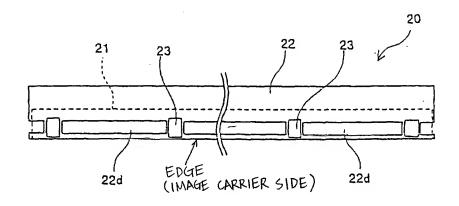


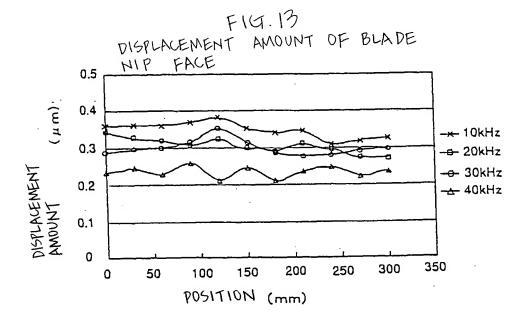


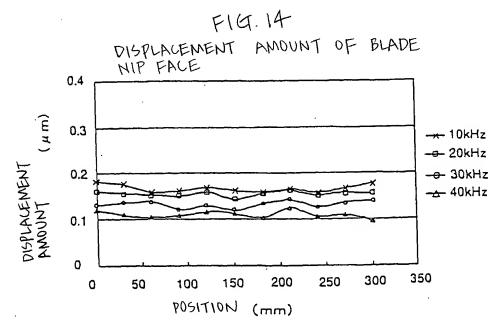
F14.11



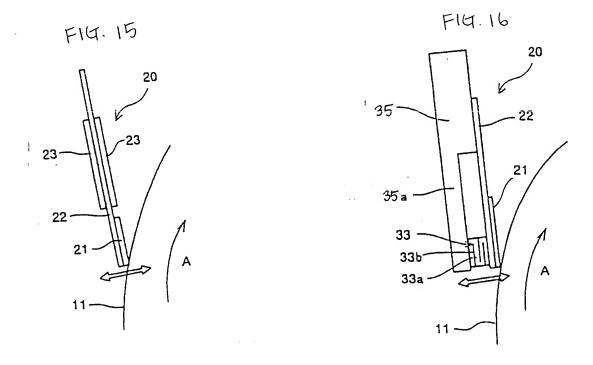
6/25 FIG. 12





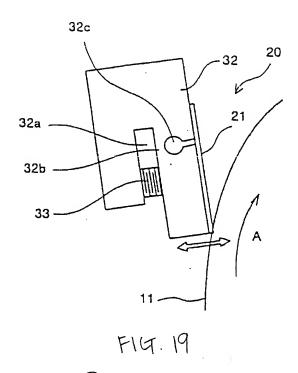


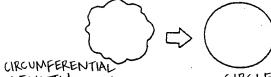
7/25



33 34 33 20 11 22 21

8/25 FIG. 18





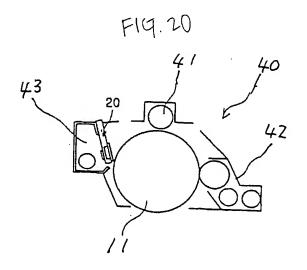
LENGTH :L1

PARTICLE PROJECTED :S

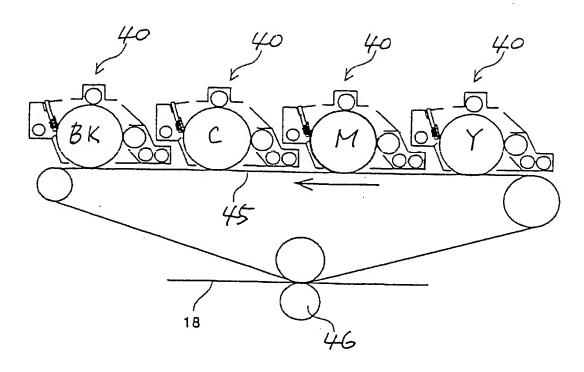
IMAGE AREA

CIRCLE OF AREA S CIRCUMFERENTIAL LENGTH : LZ

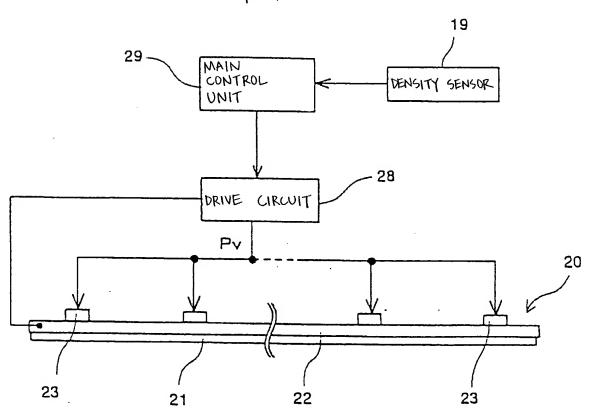
SPHERICITY = L2



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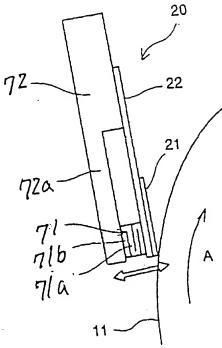


F14.22

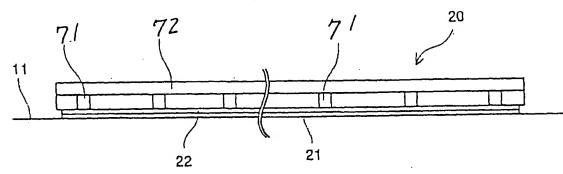


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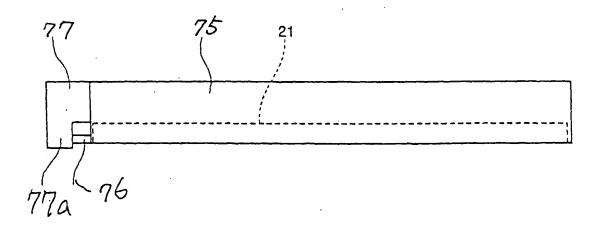




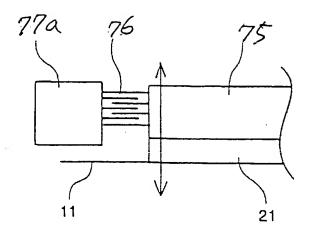
F14.24



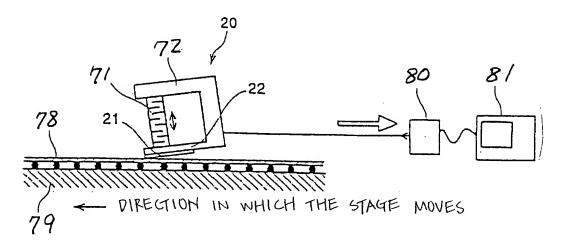
F14.25



11/25 F19.26

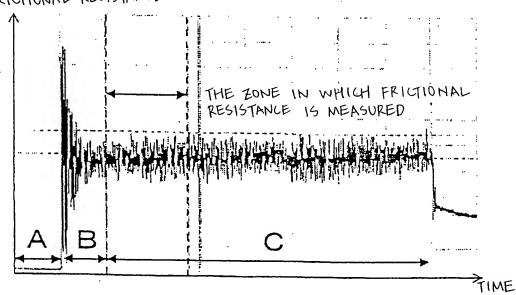


F14.27

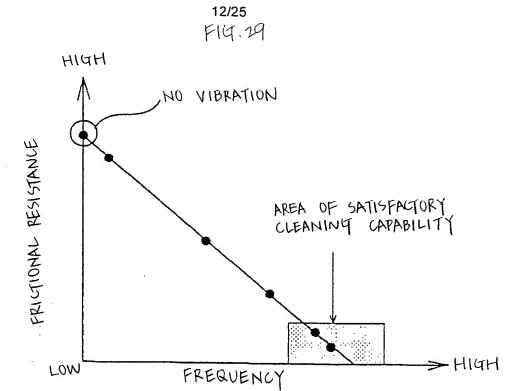


F14.28

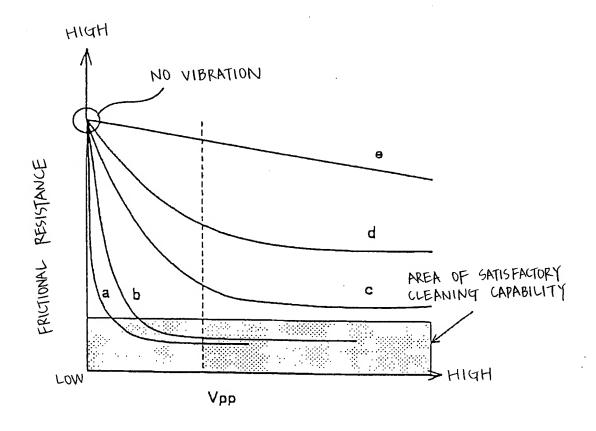
FRICTIONAL RESISTANCE



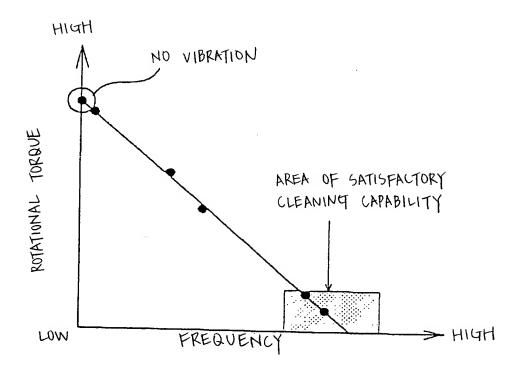
OBLON, SPIVAK, ET AL DOCKET #: 242299US2 INV: Masahiko SHAKUTO, et al. SHEET 12 OF 25



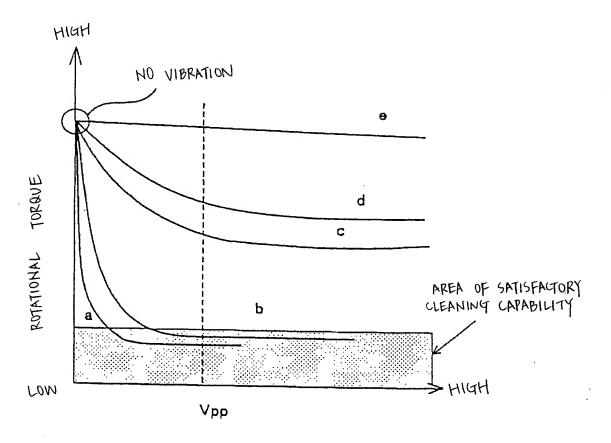
F14.30



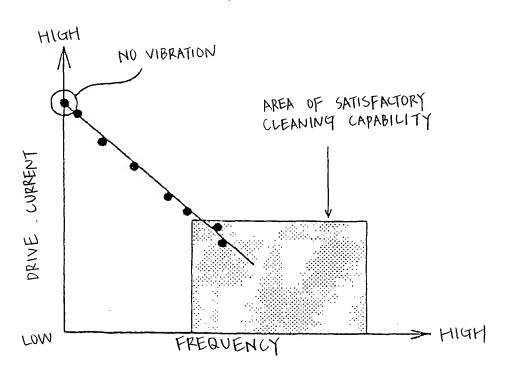
13/25 FIG. 31



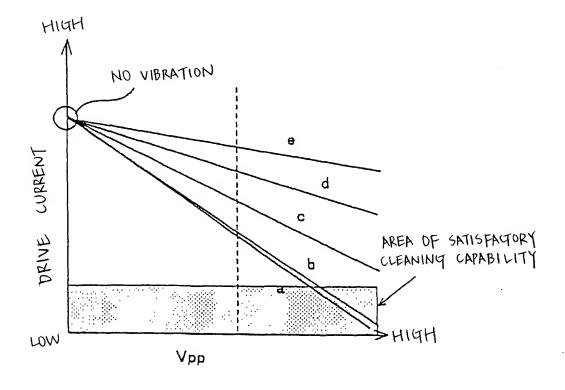
F14 32



14/25 F14.33

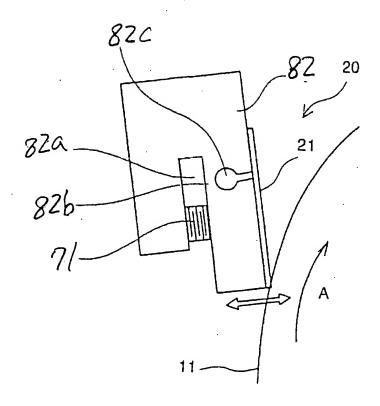


F14.34

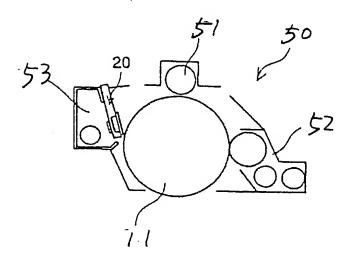


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15/25 F14.35



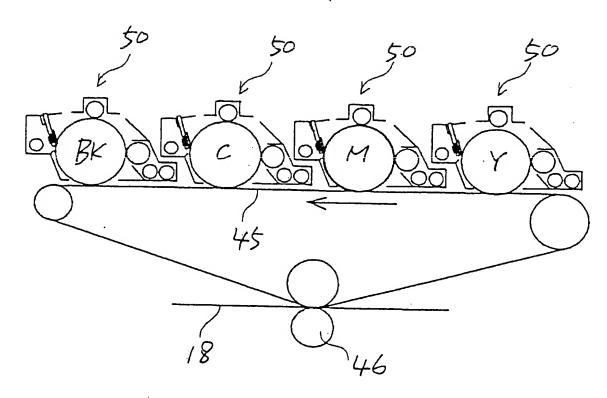
F14.36

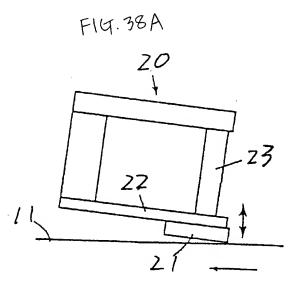


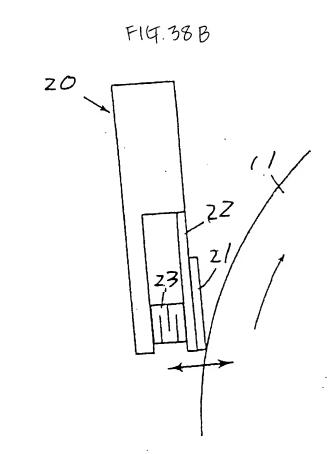
OBLON, SPIVAK, ET AL DOCKET #: 242299US2 INV: Masahiko SHAKUTO, et al. SHEET 16 OF 25

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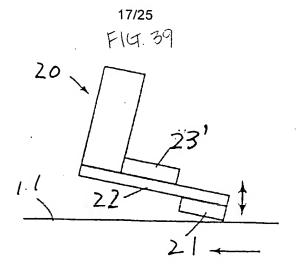
F14.37



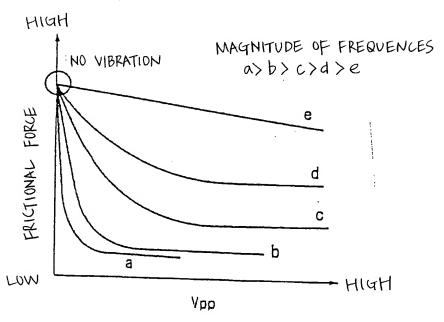


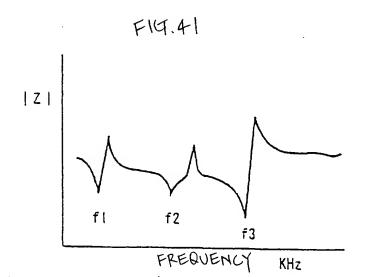


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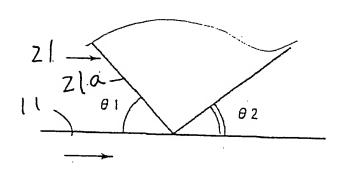
F14.40



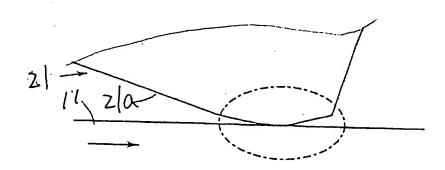


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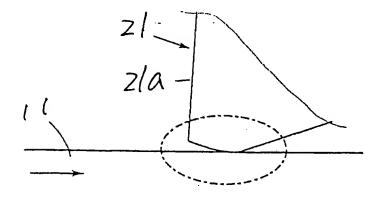
18/25 FIG. 42A

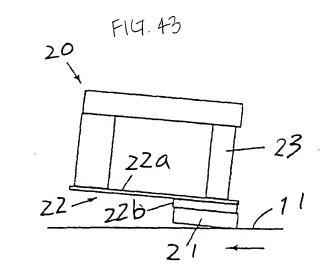


F14.42B

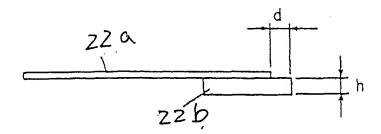


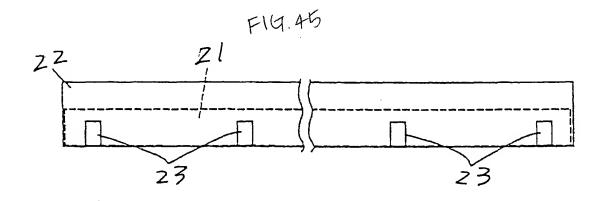
F14.42C



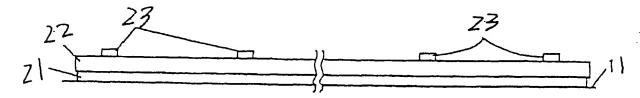


F14.44



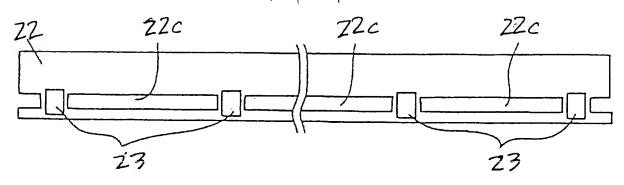


F14.46

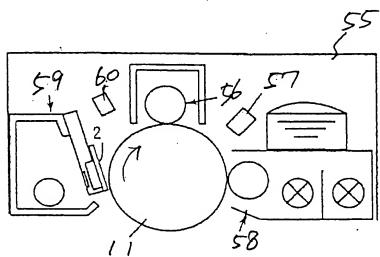


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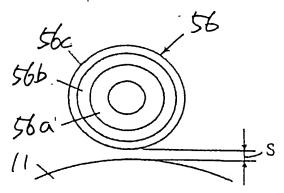
20/25 FIG. 47



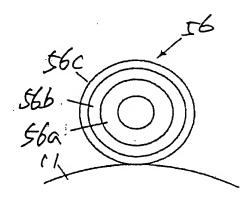
F14.48



F14.49A



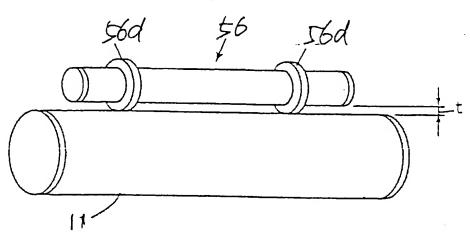
F14.49B



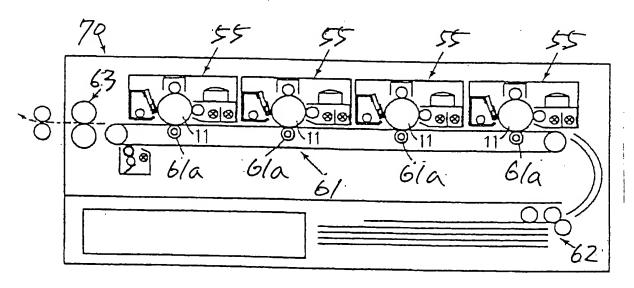
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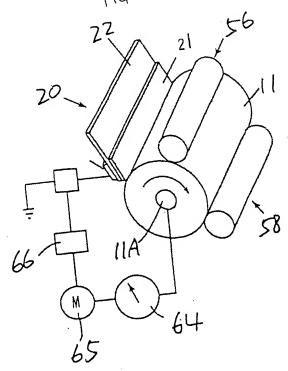
F14.51



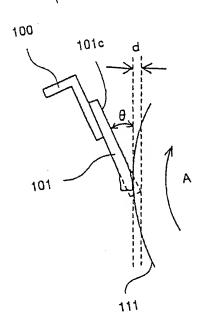
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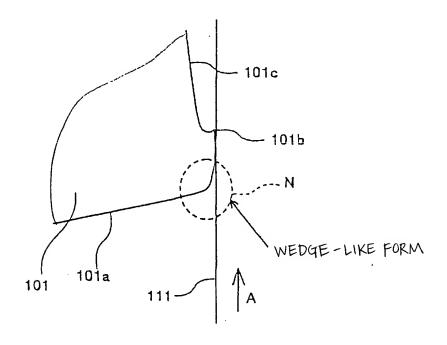


F14.53

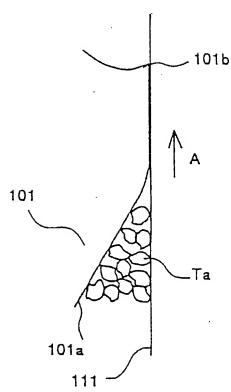


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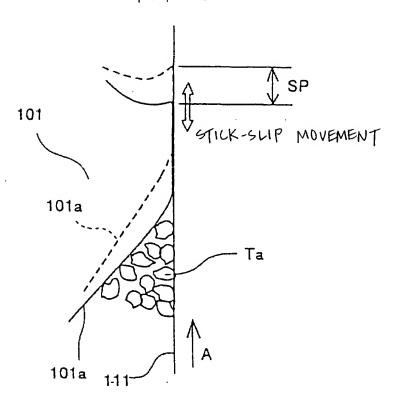
F14.54



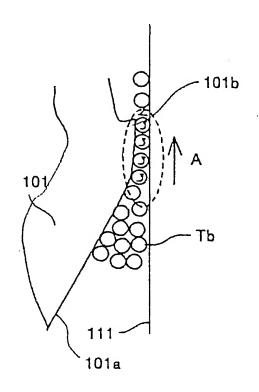
F14.55



F14.56



F14.57



F14.58

